

**Warmup:**

If three chickens can lay three eggs in three hours, how many eggs can six chickens lay in six hours?

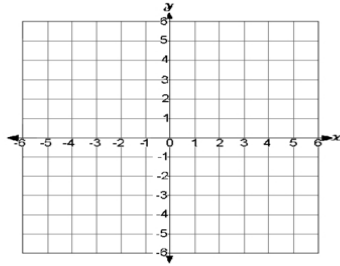
**Mini-Lesson:**

First, let's review how to graph a line in slope-intercept form:

Ex: graph  $y = \frac{2}{3}x + 1$

Slope:

y-intercept:



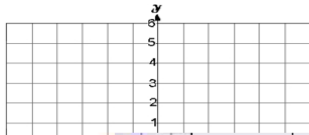
← Step 1: Identify the slope and y-intercept

← Step 2: Put the first point at the y-Intercept

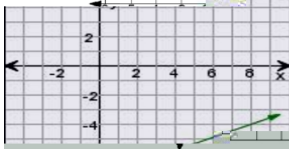
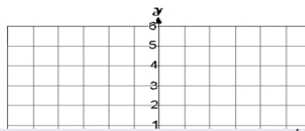
← Step 3: Use slope =  $\frac{\text{rise}}{\text{run}}$  get the second point

← Step 4: Repeat step 3 as necessary and connect the dots

Practice: Graph  $y = \frac{1}{2}x + 3$

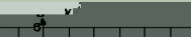


graph  $y = -\frac{3}{2}x + 4$



$x + 2y = 10$

You can also write an equation based on a graph



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